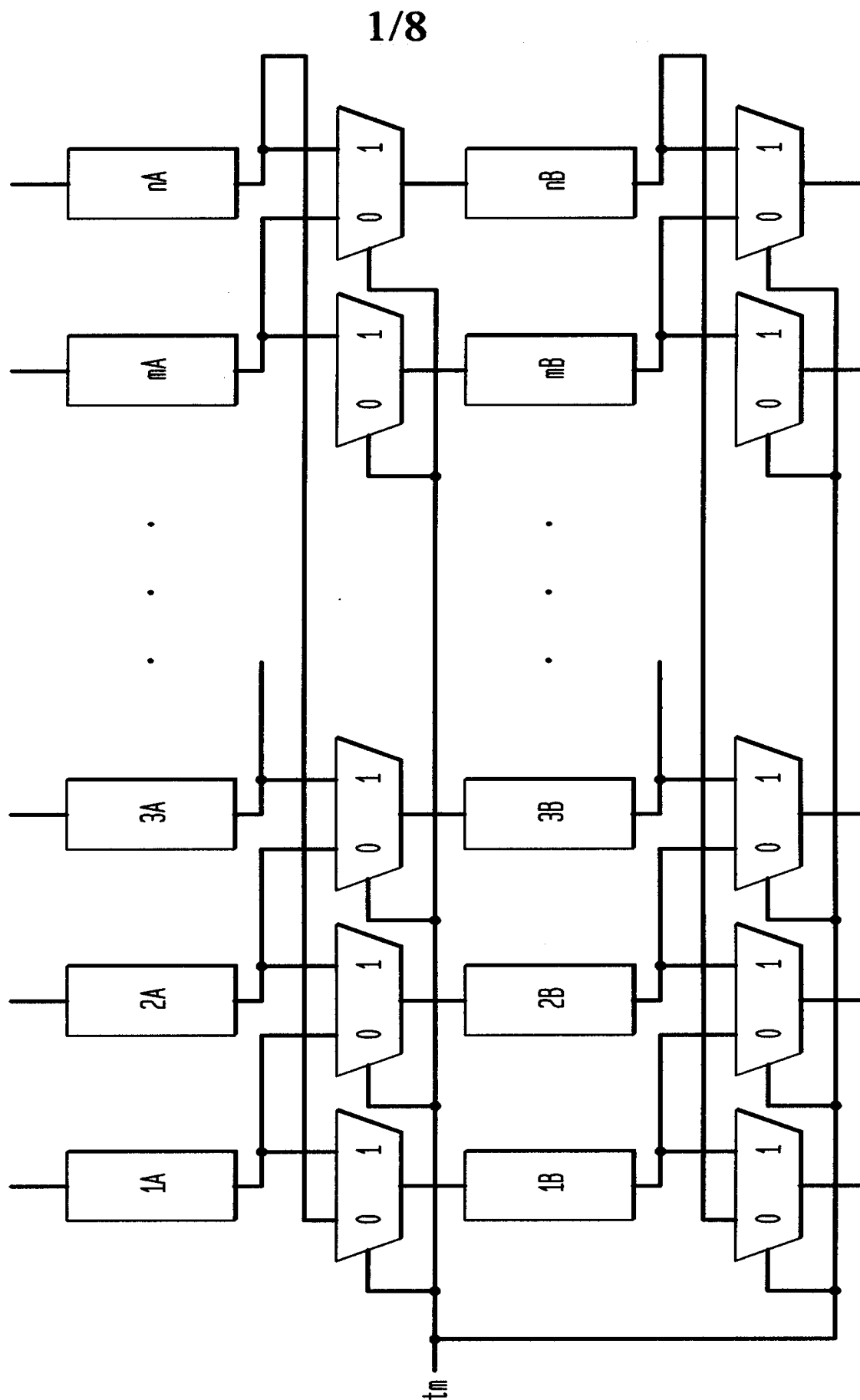


**FIG. 1**  
SCAN CHAIN SEGMENTATION



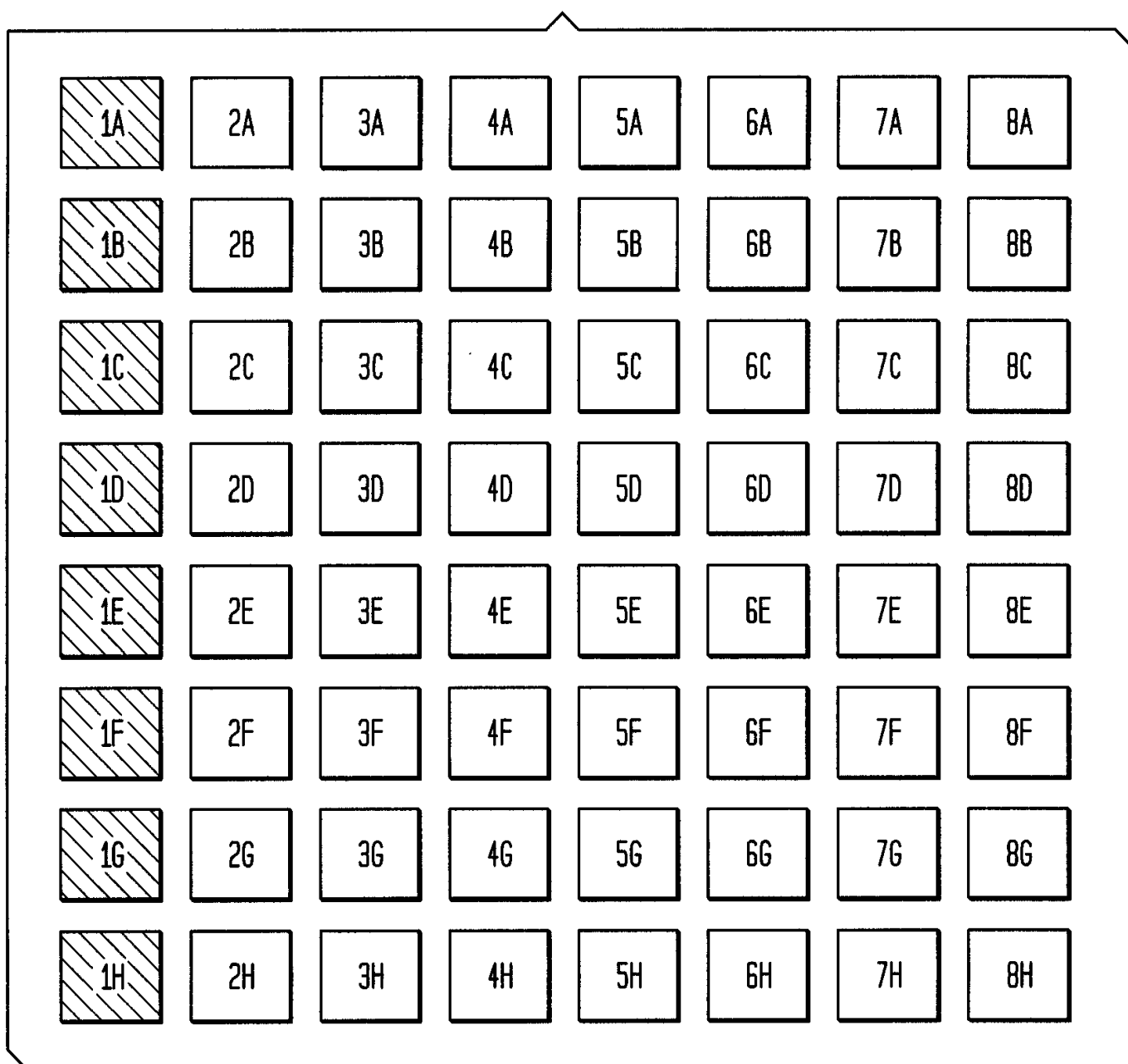
2/8

*FIG. 2*  
BASIC SEGMENTATION

1A	2A	3A	4A	5A	6A	7A	8A
1B	2B	3B	4B	5B	6B	7B	8B
1C	2C	3C	4C	5C	6C	7C	8C
1D	2D	3D	4D	5D	6D	7D	8D
1E	2E	3E	4E	5E	6E	7E	8E
1F	2F	3F	4F	5F	6F	7F	8F
1G	2G	3G	4G	5G	6G	7G	8G
1H	2H	3H	4H	5H	6H	7H	8H

3/8

**FIG. 3**  
FAILING CHAIN 1



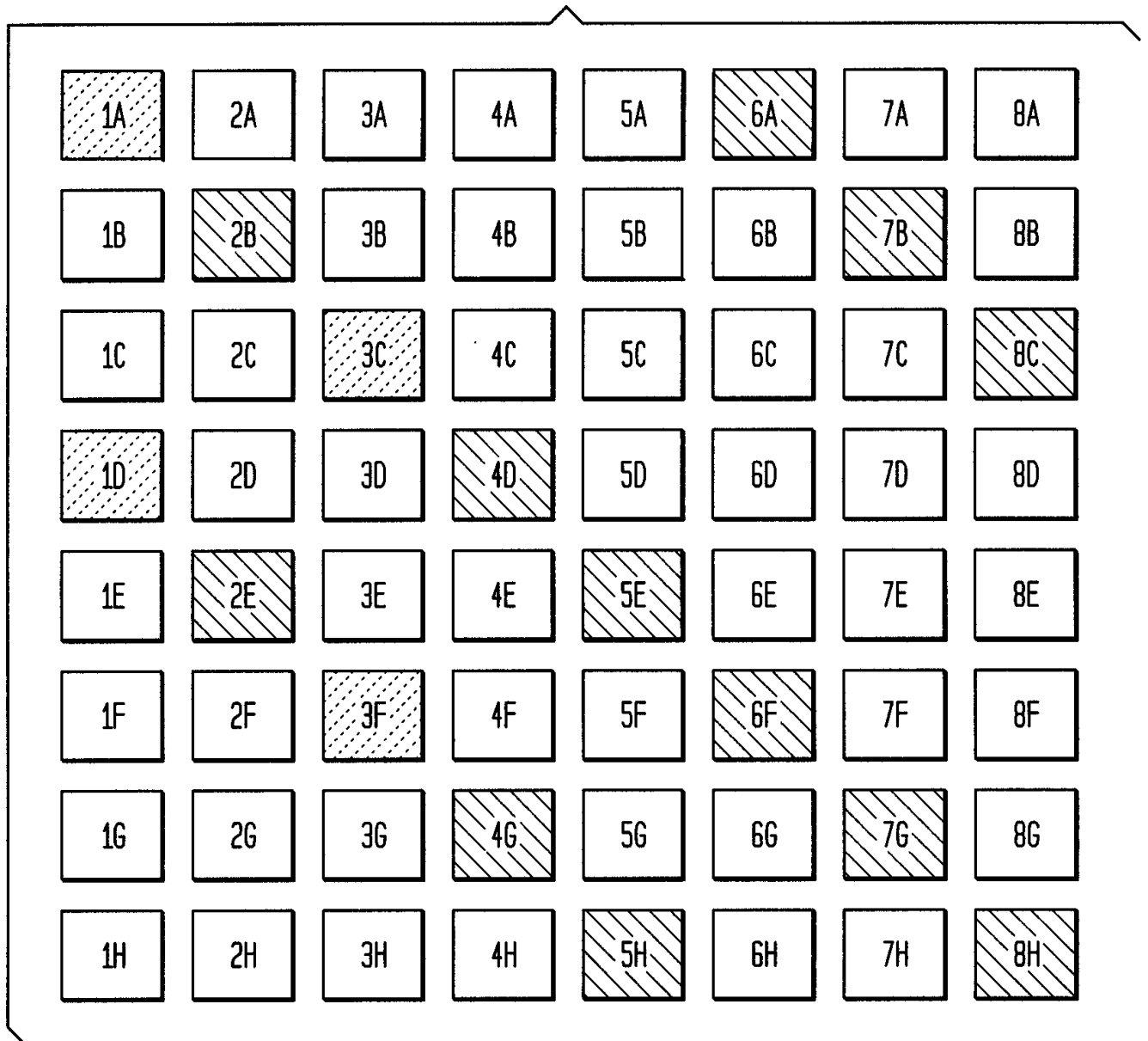
4/8

**FIG. 4**  
FAILING CHAIN 1

1A	2A	3A	4A	5A	6A	7A	8A
1B	2B	3B	4B	5B	6B	7B	8B
1C	2C	3C	4C	5C	6C	7C	8C
1D	2D	3D	4D	5D	6D	7D	8D
1E	2E	3E	4E	5E	6E	7E	8E
1F	2F	3F	4F	5F	6F	7F	8F
1G	2G	3G	4G	5G	6G	7G	8G
1H	2H	3H	4H	5H	6H	7H	8H

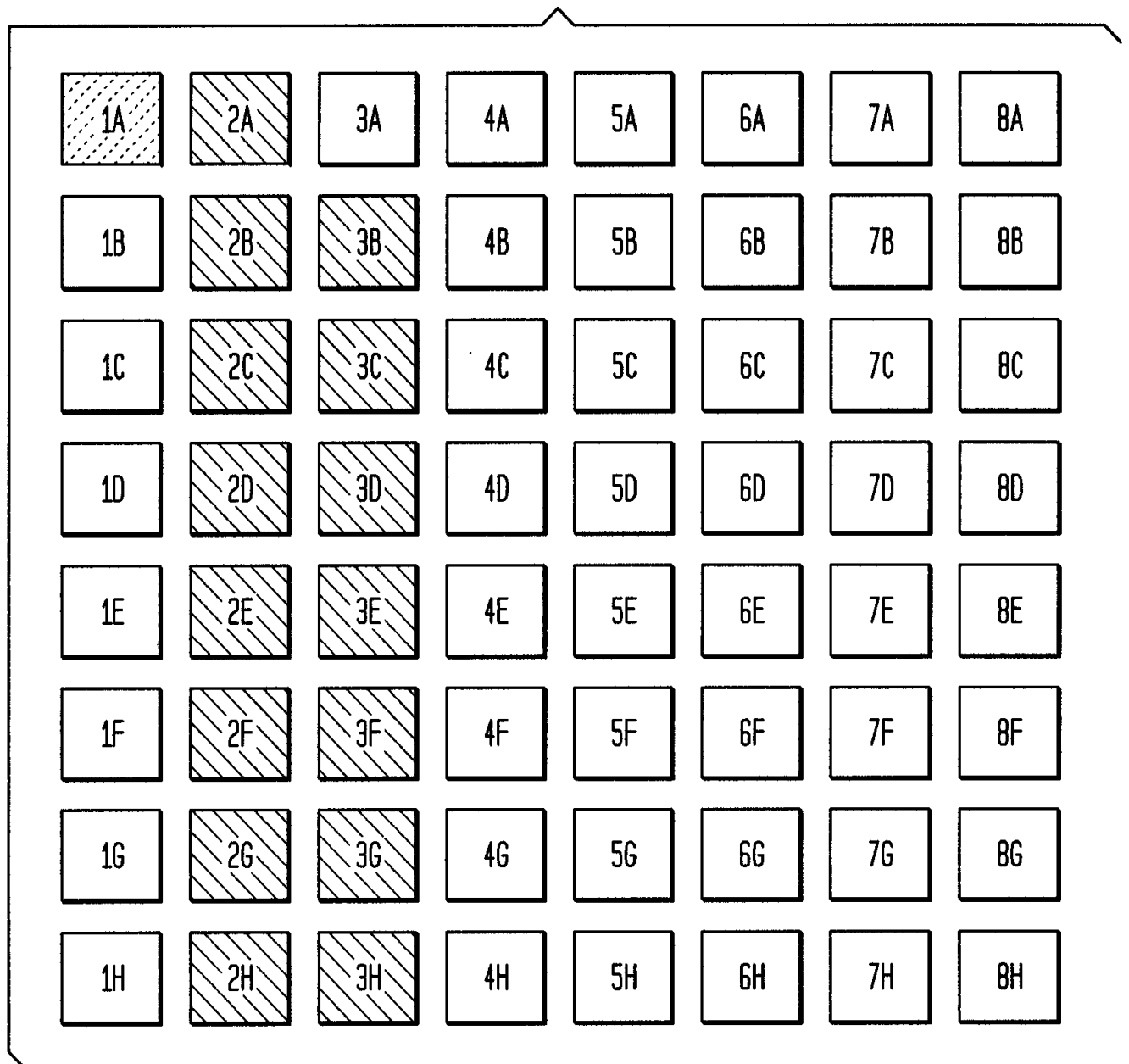
5/8

**FIG. 5**  
FAILING CHAINS 1 AND 3



6/8

**FIG. 6**  
FAILING CHAINS 1 AND 3, 1A FAULTY



7/8

**FIG. 7**  
FAILING CHAINS 1 AND 3, 1D FAULTY

1A	2A	3A	4A	5A	6A	7A	8A
1B	2B	3B	4B	5B	6B	7B	8B
1C	2C	3C	4C	5C	6C	7C	8C
1D	2D	3D	4D	5D	6D	7D	8D
1E	2E	3E	4E	5E	6E	7E	8E
1F	2F	3F	4F	5F	6F	7F	8F
1G	2G	3G	4G	5G	6G	7G	8G
1H	2H	3H	4H	5H	6H	7H	8H

FIG. 8  
UNEQUAL CHAIN LENGTHS

